

## DEVICE AND METHOD FOR CHECKING SIGNAL TRANSMISSION QUALITY OF CIRCUIT BOARD

### ABSTRACT OF THE DISCLOSURE

A device and a method are used to check signal transmission quality of a circuit board. The circuit board communicates a source device with a destination device via a trace. The device for checking signal transmission quality is arranged in the source device, and includes a first comparator electrically connected to the trace, and generating a first counting signal in response to a first comparison result of a test signal transmitted through the trace with a first reference signal; a first counter electrically connected to the first comparator, and counting in response to the first counting signal to generate a first accumulatively counted value; and a discriminator determining the signal transmission quality of the circuit board according to accumulatively counted value.